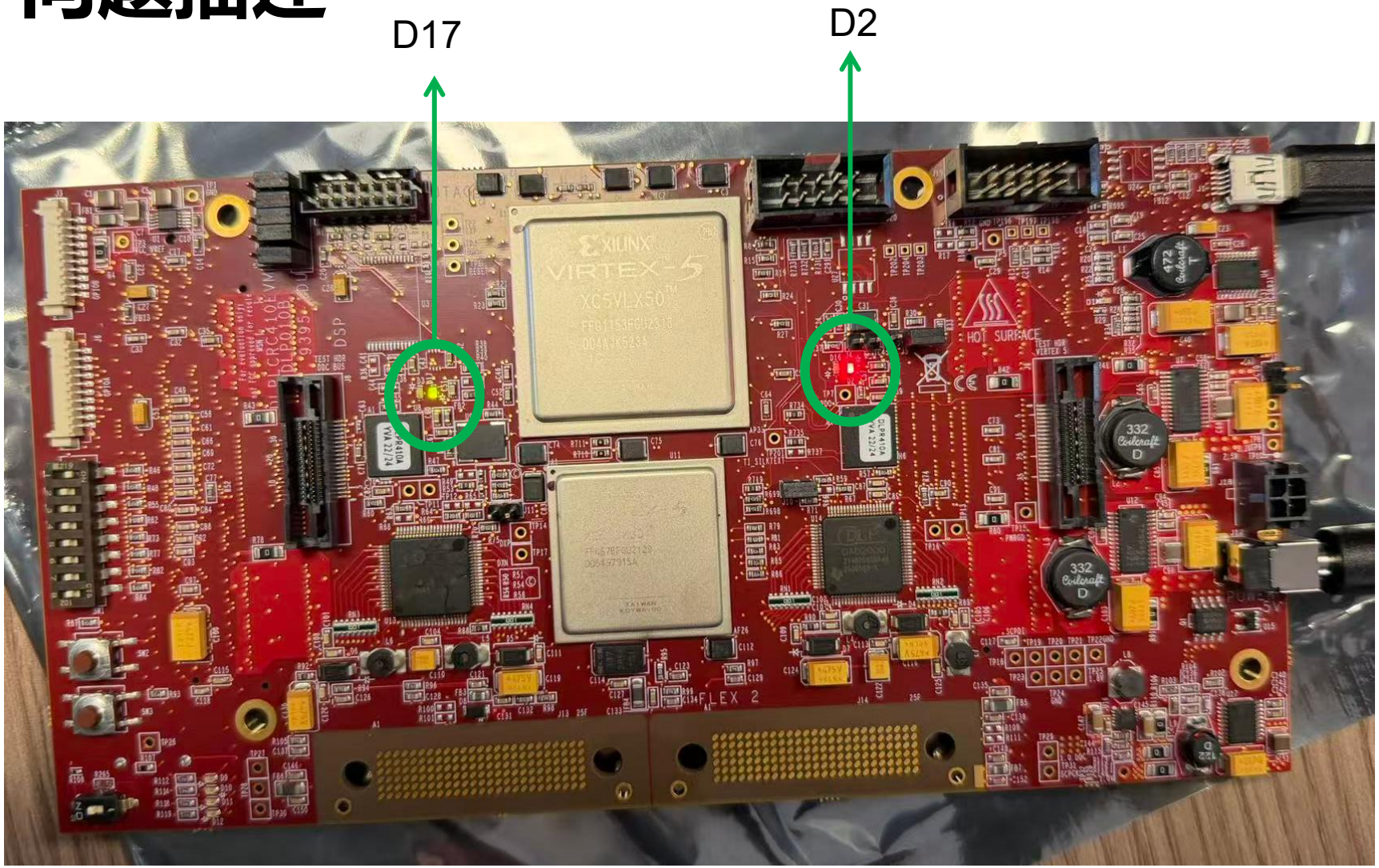
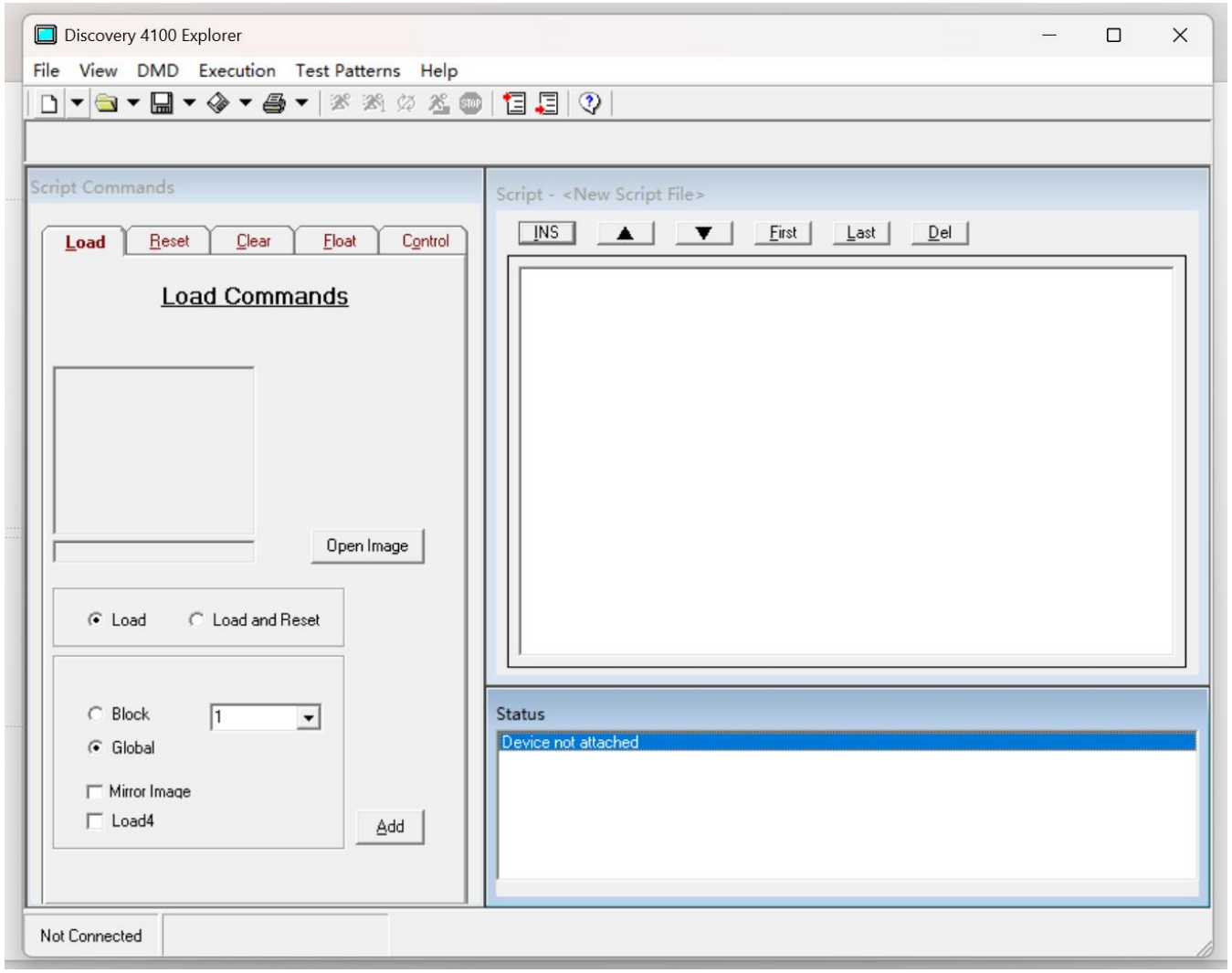
问题描述



连接电源线，打开电路板电源开关后，指示灯D3短暂亮起，后D2亮红灯、D17亮绿灯，D9呼吸灯未亮起，代表DLPC410已正确完成编程，而APPSFPGA未成功编程。

正常情况下应为D2左侧的D16绿灯亮起，D9呼吸灯也应闪烁。

问题描述



连接上USB线后，GUI显示not connected，无法连接到DMD控制板，确认SW1的1号开关已拨至ON。

怀疑与APPSFPGA未成功编程有关。



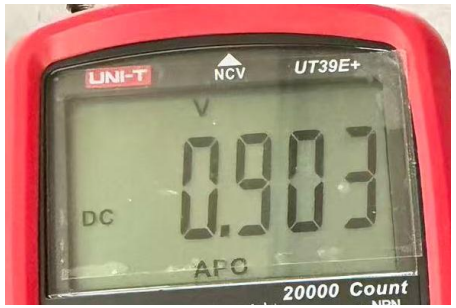
电源为5V、6A

预期输出电压	测试点
3.3 V	TP9
12 V	TP21
2.5 V	TP10
0.9 伏	TP3
1.8 V	TP25
1.0 V	TP32

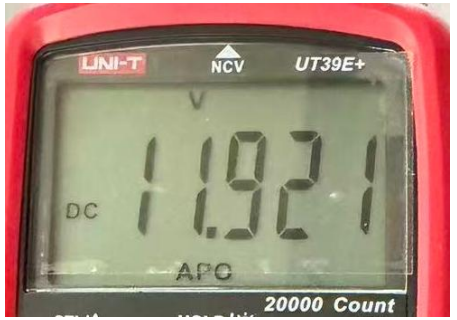
TP9 参考电压3.3V



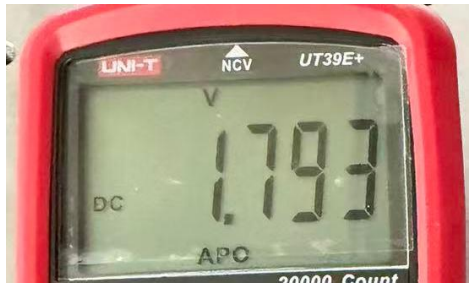
TP3 参考电压0.9V



TP21 参考电压12V



TP25 参考电压1.8V



TP10 参考电压2.5V



TP32 参考电压1.0V



根据常见故障排查，测得各测试点电压均正常。

Fizix *over 1 year ago in reply to Wang Jingjing*

TI_Guru 54725 points

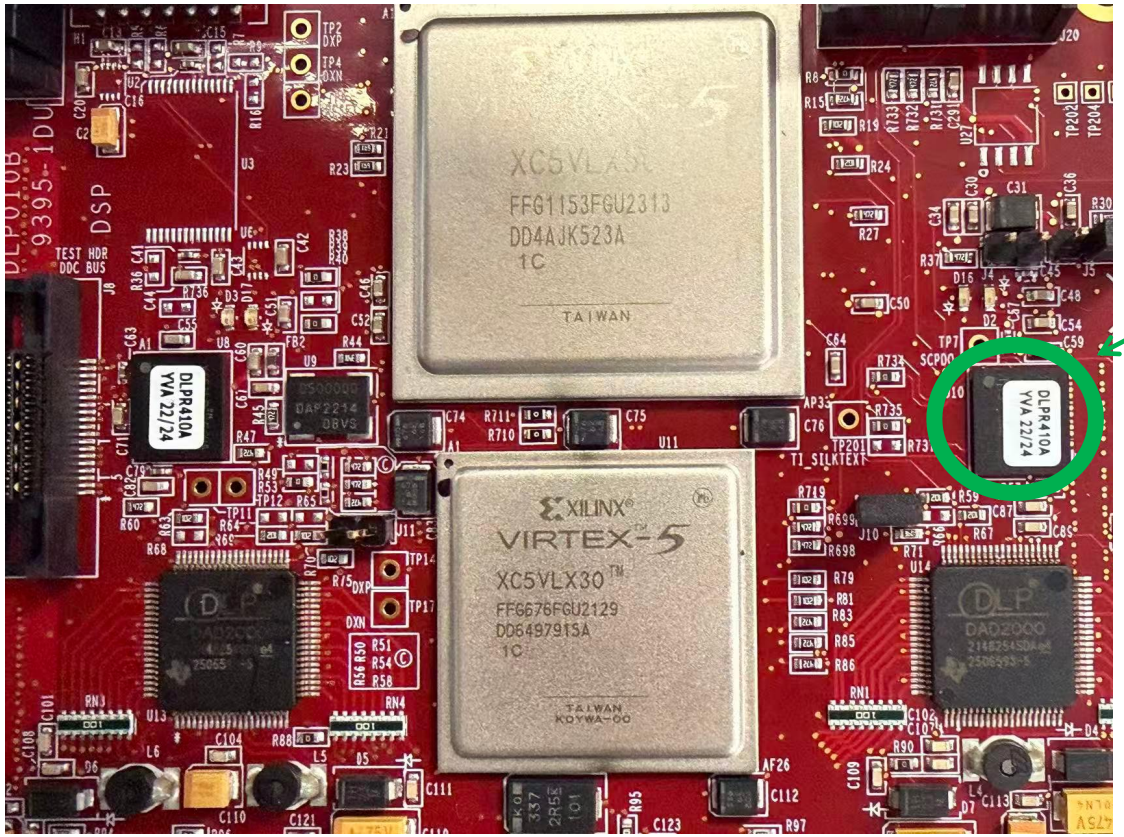
Hello Wang,

Where did you purchase this unit from. This LED indicates that the APPS_FPGA is not configured. There are two PROMs on the board. the one left of the two FPGAs is the one for the controller. This is the second board I have seen where the APPS_FPGA PROM (right of the FPGAs) has been populated with a DLPC410 PROM which is incorrect.

The APPS_FPGA PROM needs to be programmed with the APPS_FPGA firmware. This requires a Xilinx platform cable, Impact version 14.1, and v2 of the APPS_FPGA code.

Fizix

D2红灯相同问题官网讨论区工作人员回复



问题描述：
主板上有两个PROM。两个FPGA中左边的那个是控制器用的。APPS_FPGA PROM（FPGA右侧）被填充了一个DLPC410 PROM，但这是错误的。

解决方案：
APPS FPGA PROM需要用APPS FPGA固件编程。这需要Xilinx平台的线缆、Impact 14.1版本和APPS_FPGA代码的v2版本。

总结：板子出厂硬件错误（贴错芯片），需要换货或者重新烧录。